

Scalable Video Encoder/Decoder with Drift Control

Abstract of Disclosure

Scalable video coders have traditionally avoided using enhancement layer information to predict the base layer, so as to avoid so-called "drift". As a result, they are less efficient than a one-layer coder. The present invention is directed to a scalable video coder that allows drift, by predicting the base layer from the enhancement layer information. Through careful management of the amount of drift introduced, the overall compression efficiency can be improved while only slightly degrading resilience for lower bit-rates.

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